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s blast or explosion
    19736 BLAST
    20854 EXPLOSION
L1    39517 BLAST OR EXPLOSION
=> s l1 and frame
    354292 FRAME

L2    6186 L1 AND FRAME
=> s l2 and (glass fiber or carbon fiber)
    318498 GLASS
    143290 FIBER

    24239 GLASS FIBER
        (GLASS(W) FIBER)
    373038 CARBON
    143290 FIBER

    7549 CARBON FIBER
        (CARBON(W) FIBER)
L3    185 L2 AND (GLASS FIBER OR CARBON FIBER)
=> s l2 and (glass fiber? or carbon fiber?)

    318498 GLASS
    213769 FIBER?

    38611 GLASS FIBER?
        (GLASS(W) FIBER?)

    373038 CARBON
    213769 FIBER?

    13532 CARBON FIBER?
        (CARBON(W) FIBER?)
L4    258 L2 AND (GLASS FIBER? OR CARBON FIBER?)
=> s l4 and (fold? or flexible)

    180630 FOLD?
    337455 FLEXIBLE

L5    117 L4 AND (FOLD? OR FLEXIBLE)
=> s l5 and (220/?/CCLS or 206/?/CCLS or 109/?/CCLS)

    69955 220/?/CCLS
    61617 206/?/CCLS
    4625 109/?/CCLS
L6    7 L5 AND (220/?/CCLS OR 206/?/CCLS OR 109/?/CCLS)
=> d l6 1-5

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1. 5,383,567, Jan. 24, 1995, Protective device for container; Usman A. Sorathia, et al., **220/4.13**, **4.24**, **737**, **900**; 428/36.1 [IMAGE AVAILABLE]
2. 5,267,665, Dec. 7, 1993, Hardened luggage container; Mohsen Sanai, et al., **220/88.1**, **444**, **454**, **455**; 428/34.7 [IMAGE AVAILABLE]
3. 4,873,810, Oct. 17, 1989, Elements having a multi-directional cellular structure whose inertia may vary, and methods of manufacture; Jean Lecaroz, 52/575, 574, 793.1, 794.1, DIG.10; **109/1S**, **80**; 428/117 [IMAGE AVAILABLE]
4. 4,766,420, Aug. 23, 1988, Insulating apparatus and composite laminates employed therein; Otis H. Hastings, et al., 340/550; **109/21**, **82**; **220/453**; 428/432 [IMAGE AVAILABLE]
5. 4,662,288, May 5, 1987, Insulating apparatus and burglary resistant composite laminates employed therein; Otis H. Hastings, et al., **109/2**; 89/36.17; **109/5**, **7**, **10**, **82**, **85**; 428/251, 282, 285, 325, 332, 344, 356, 359, 401, 911, 920, 921 [IMAGE AVAILABLE]
=> d 17 6 7
'L7' NOT FOUND
=> d 16 6 7
6. 4,523,528, Jun. 18, 1985, Insulating apparatus and composite laminates employed therein; Otis H. Hastings, et al., **109/42**, **2**, **5**, **7**, **11**, **48**, **82**, **85**; **220/453**, **457**; 428/251, 282, 285, 325, 332, 344, 356, 359, 401, 911, 920, 921 [IMAGE AVAILABLE]
7. 3,661,294, May 9, 1972, RETAINING WALL FOR FLUIDS AND METHOD FOR PRODUCTION; Lee E. Pearson, et al., **220/645**, **414**, **590**, **592**, **644**; 428/34.5, 36.3 [IMAGE AVAILABLE]
=>

> s fiber? and (continuous or seamless) and bomb resistant

225257 FIBER?

507011 CONTINUOUS

6855 SEAMLESS

7086 BOMB

200976 RESISTANT

1 BOMB RESISTANT

(BOMB(W)RESISTANT)

L1 1 FIBER? AND (CONTINUOUS OR SEAMLESS) AND BOMB RESISTANT

=> d 11

1. 5,267,665, Dec. 7, 1993, Hardened luggage container; Mohsen Sanai, et
al., 220/88.1, 444, 454, 455; 428/34.7 :IMAGE AVAILABLE:

s blast or explosive?
20494 BLAST
27134 EXPLOSIVE?
L4 45962 BLAST OR EXPLOSIVE?

=> s 14 and resist?
736966 RESIST?
L5 19238 L4 AND RESIST?

=> s 15 and (polymeric foam or particulate? or condensable gas? or heat sink material or foamed glass)
122446 POLYMERIC
95741 FOAM
1592 POLYMERIC FOAM
(POLYMERIC (W) FOAM)
90300 PARTICULATE?
3880 CONDENSABLE
563395 GAS?
1273 CONDENSABLE GAS?
(CONDENSABLE (W) GAS?)
535129 HEAT
42358 SINK
1226148 MATERIAL
391 HEAT SINK MATERIAL
(HEAT (W) SINK (W) MATERIAL)
27310 FOAMED
334286 GLASS
311 FOAMED GLASS
(FOAMED (W) GLASS)
L6 2501 L5 AND (POLYMERIC FOAM OR PARTICULATE? OR CONDENSABLE GAS?
OR
HEAT SINK MATERIAL OR FOAMED GLASS)

=> s 16 and container?
243794 CONTAINER?
L7 803 L6 AND CONTAINER?

=> s 17 and (cargo or baggage)
10878 CARGO
1672 BAGGAGE
L8 17 L7 AND (CARGO OR BAGGAGE)

=> d 18 1-17

1. 5,489,037, Feb. 6, 1996, **Container** liner system for bulk transfer; Raymond J. Stopper, 220/1.5, 403, 404, 470 :IMAGE AVAILABLE:
2. 5,426,056, Jun. 20, 1995, Surface ionization detector for detecting trace amounts of organic molecules; Sabatino Nacson, 436/91; 73/23.4; 250/281, 283, 389; 324/464, 468, 470; 422/80, 82.01, 82.02, 89, 90; 436/96, 153, 161, 816, 901 :IMAGE AVAILABLE:
3. 5,394,786, Mar. 7, 1995, Acoustic/shock wave attenuating assembly; Guy L. Gettle, et al., 86/50; 89/36.02; 102/303; 181/0.5, 286; 367/191 :IMAGE AVAILABLE:
4. 5,225,622, Jul. 6, 1993, Acoustic/shock wave attenuating assembly; Guy L. Gettle, et al., 86/50; 89/36.02; 102/303; 181/0.5, 286; 367/191 :IMAGE AVAILABLE:

5. 5,162,652, Nov. 10, 1992, Method and apparatus for rapid detection of contraband and toxic materials by trace vapor detection using ion mobility spectrometry; Martin J. Cohen, et al., 250/288; 73/863.21, 863.33, 863.83, 863.84, 864.62, 864.83 :IMAGE AVAILABLE:

6. 5,147,429, Sep. 15, 1992, Mobile airborne air cleaning station; James Bartholomew, et al., 55/356, 385.1, 385.3; 244/30, 52, 73R :IMAGE AVAILABLE:

7. 5,092,218, Mar. 3, 1992, Selective detection of **explosives** vapors; David H. Fine, et al., 86/50; 73/23.4, 23.41; 95/82; 436/156 :IMAGE AVAILABLE:

8. 4,967,636, Nov. 6, 1990, Fuel-air line-charge ordnance neutralizer; Stephen B. Murray, et al., 89/1.13; 102/370 :IMAGE AVAILABLE:

9. 4,881,025, Nov. 14, 1989, Frequency dependent identification of materials; William D. Gregory, 324/672, 671, 690 :IMAGE AVAILABLE:

10. 4,818,870, Apr. 4, 1989, Air withdrawing sampling probes for a contraband detection system; Frank K. Griffiths, 250/288; 73/864.73, 864.81; 250/281 :IMAGE AVAILABLE:

11. 4,546,015, Oct. 8, 1985, Corrosion protection method; Roger Lovell, 427/247, 289, 292, 348, 369, 409, 410, 418, 419.5, 421, 427 :IMAGE AVAILABLE:

12. 4,481,422, Nov. 6, 1984, Intrusion detecting camouflage fluorescent coating; Arthur P. deMarco, et al., 250/459.1; 89/1.11; 250/461.1; 252/301.36 :IMAGE AVAILABLE:

13. 4,452,856, Jun. 5, 1984, Corrosion protection product, method and structure; Roger Lovell, 428/312.8, 317.9, 319.3, 321.1 :IMAGE AVAILABLE:

14. RE 31,023, Sep. 7, 1982, Highly automated agricultural production system; Arthur D. Hall, III, 47/1.01R, 2, DIG.6; 56/237, 328.1; 137/79, 236.1, 386; 138/111; 180/305; 193/25E; 198/570; 209/173; 239/69, 210, 727, 745; 364/172, 400; 382/100 :IMAGE AVAILABLE:

15. 4,298,635, Nov. 3, 1981, Corrosion protection method; Roger Lovell, 427/247, 289, 292, 348, 409, 417, 421, 422 :IMAGE AVAILABLE:

16. 4,275,111, Jun. 23, 1981, Corrosion protection structure; Roger Lovell, 428/312.8, 319.3, 321.1 :IMAGE AVAILABLE:

17. 4,015,366, Apr. 5, 1977, Highly automated agricultural production system; Arthur D. Hall, III, 47/1.01R, 2, DIG.6; 56/237, 328.1; 137/79, 236.1, 386; 138/111; 193/25E; 198/570; 209/173; 239/69, 210, 727, 745; 348/143; 364/143, 150, 172, 400, 420; 382/110 :IMAGE AVAILABLE:

=> s 15 and (microballoons or bladders or hollow spheres or wicking fibers)

1032 MICROBALLOONS

2852 BLADDERS

264113 HOLLOW

19423 SPHERES

1211 HOLLOW SPHERES

(HOLLOW(W) SPHERES)

5762 WICKING

134885 FIBERS

51 WICKING FIBERS

(WICKING(W) FIBERS)

L9 231 L5 AND (MICROBALLOONS OR BLADDERS OR HOLLOW SPHERES OR WICK

ING

FIBERS)

=> s 19 and container? and (cargo or baggage)

243794 CONTAINER?

10878 CARGO

1672 BAGGAGE

L10 9 L9 AND CONTAINER? AND (CARGO OR BAGGAGE)

=> d 110 1-9

1. 5,553,639, Sep. 10, 1996, **Container** and method for transporting finely divided or dried coal; Stewart E. Erickson, 137/347; 105/359, 423; 220/1.5; 383/902 :IMAGE AVAILABLE:

2. 5,489,037, Feb. 6, 1996, **Container** liner system for bulk transfer; Raymond J. Stopper, 220/1.5, 403, 404, 470 :IMAGE AVAILABLE:

3. 5,386,845, Feb. 7, 1995, Fluid transport apparatus with side recessed fitting well; Donald L. Zink, 137/350, 585, 587 :IMAGE AVAILABLE:

4. 5,355,824, Oct. 18, 1994, Seal device for ferromagnetic **containers**; Ross E. Meyer, et al., 114/229 :IMAGE AVAILABLE:

5. 5,251,658, Oct. 12, 1993, Fluid apparatus with at least one tube well; Donald L. Zink, 137/347; 105/358, 360; 137/585, 587 :IMAGE AVAILABLE:

6. 5,222,517, Jun. 29, 1993, Fluid containment vessel with one or more recessed wells; Donald L. Zink, et al., 137/350, 347, 348, 551; 251/144 :IMAGE AVAILABLE:

7. 5,211,202, May 18, 1993, Fluid apparatus with pressure-tight recessed well; Donald L. Zink, et al., 137/350; 105/360; 137/347, 585, 587 :IMAGE AVAILABLE:

8. 5,141,013, Aug. 25, 1992, Fluid containment apparatus; Donald L. Zink, et al., 137/68.23; 105/360; 137/68.11, 68.14, 350, 382 :IMAGE AVAILABLE:

9. 5,097,976, Mar. 24, 1992, Fluid containment apparatus with well closure assembly; Donald L. Zink, et al., 220/244, 243, 327, 334, 343, 344, 562, 661, DIG.24 :IMAGE AVAILABLE:

=> s 15 and aqueous foam

297019 AQUEOUS

95741 FOAM

252 AQUEOUS FOAM

(AQUEOUS (W) FOAM)

L11 7 L5 AND AQUEOUS FOAM

=> d 111 1-7

1. 5,394,786, Mar. 7, 1995, Acoustic/shock wave attenuating assembly; Guy L. Gettle, et al., 86/50; 89/36.02; 102/303; 181/0.5, 286; 367/191 :IMAGE AVAILABLE:

2. 5,225,622, Jul. 6, 1993, Acoustic/shock wave attenuating assembly; Guy L. Gettle, et al., 86/50; 89/36.02; 102/303; 181/0.5, 286; 367/191 :IMAGE AVAILABLE:

3. 4,795,590, Jan. 3, 1989, Treatment of hazardous material with vapor suppressing, persistent, water-containing, polymeric air foam; Dale W. Kent, et al., 252/307, 315.01, 315.3; 521/159, 906; 588/218, 249, 251, 255, 256 :IMAGE AVAILABLE:

4. 4,543,872, Oct. 1, 1985, **Blast** attenuator; Kenneth J. Graham, et

al., 86/50; 109/1R, 49.5 :IMAGE AVAILABLE:

5. 4,386,052, May 31, 1983, Composition and method for suppressing vapor loss of volatile hydrocarbons; Gerard P. Canevari, 422/42; 252/351, 354, 382, 384 :IMAGE AVAILABLE:

6. 4,326,986, Apr. 27, 1982, Composition and method for suppressing vapor loss of volatile hydrocarbons; Gerard P. Canevari, 252/384, 351, 354, 382; 422/42 :IMAGE AVAILABLE:

7. 4,235,743, Nov. 25, 1980, Composition and method for suppressing vapor loss of volatile hydrocarbons; Gerard P. Canevari, 252/382, 351, 384; 422/42 :IMAGE AVAILABLE: